

# ***Power cord connector for an appliance***

## **Abstract**

A quick connect plug for electrically connecting and mechanically attaching a power cord to an appliance, such as a disposer, is disclosed. The plug is connected to an end of the power cord. In one embodiment, the plug houses push-in terminals, which are electrically connected to first and second wires of the power cord. A first portion of the plug defines openings to receive leads from the disposer, which electrically connect to the push-in terminals housed in the plug. The first portion positions through an aperture defined in a metal portion or lower end frame of the disposer. A plurality of tabs disposed about the first portion engage an inside surface of the lower end frame of the disposer. A second portion of the plug is connected to the cord and defines a shoulder with the first portion. A conductive ring is disposed on the shoulder and is electrically connected to the ground wire of the power cord. The conductive ring contacts the metal frame of the disposer.